

ochraceous-brown on disk, lighter toward the margin which becomes crenulate and upturned in older specimens, slightly pruinose at first, rugulose and a little paler when dry: lamellæ slightly adnexed, not crowded, rather narrow, interspaced with anastomosing veins, much crisped, at first nearly white, then becoming ferruginous from the spores: stem 7-10^{cm} long, 0.1-0.3^{cm} thick, tapering from the somewhat bulbous base, yellowish-white, pruinose at base, hollow, fragile: spores 8-10 μ broad, 12-16 μ long.— In grass in dooryards and pastures, June and July.

The specific name is based on the peculiar character of the gills which are always crisped as soon as the pileus is expanded. Professor Charles H. Peck, to whom specimens of the above fungi were referred, and who very kindly reported on them, suggested that this might be a variety of *G. lateritia*, unless the peculiar character of the lamellæ proved to be constant. The fact that specimens possessing this character have been collected in the same localities during the past three seasons seems sufficient proof of the constancy of this character, and consequently, would indicate that this form is worthy of specific rank.—B. O. LONGYEAR, *Michigan Agricultural College*.

MEXICAN FUNGI. II.¹

THE following species of Ustilagineæ were collected by me in 1896 and 1898, and all, except the three marked with an asterisk, have been examined by P. Hennings, of Berlin.

USTILAGO RABENHORSTIANA P. Henn. On *Panicum filiforme*. G. dalajara, Oct. 12, 1896.

USTILAGO PAMPARUM Speg. On *Setaria*. City of Mexico, Oct. 2, 1896.

USTILAGO ULEI P. Henn. On *Chloris submutica*. City of Mexico, Oct. 2, 1896.

USTILAGO DIETELIANA P. Henn. On *Tripsacum dactyloides*. City of Mexico, Oct 1, 1896.

USTILAGO HILARIÆ P. Henn. On *Hilaria cenchroides*. City of Mexico, Oct. 2, 1896.

USTILAGO ÆGOPOGINIS P. Henn. On *Ægopogon cenchroides* P. Henn. City of Mexico, Oct. 3, 1896.

¹For previous paper see BOT. GAZ. 24: 23. 1897.

USTILAGO BRUNKII Ell. and Gallw. In culms of *Andropogon perforatus*. Cardenas, Mexico, Oct. 22, 1898.

USTILAGO NUDA (Jens.) Kell. & Swingle. On *Hordeum vulgare*. Toluca, Sept. 19, 1898.

USTILAGO CENCHRI Lagerh. On *Cenchrus (tribuloides?)*. Cardenas, Oct. 22, 1898.

Ustilago Holwayana P. Henn., n. sp. Soris in spicis, eas destruentibus, longe cylindræis, primo membrana pallide cinerea velatis, atris; sporis subglobosis vel ellipsoideis, subacutangulis, atro-violaceis, $13-16 \times 12-15 \mu$; episporo verrucoso, atro.—In spicis *Paspali velutini*. Patzcuaro, Michoacan, Oct. 19, 1898.

Ustilago Andropoginis-hirtifolii P. Henn., n. sp. Soris in paniculis, ovaria destruentibus, longe cylindræis, membrana cinnamonea vestitis, dein pulverulentis, atro-olivaceis vel fusco-olivaceis, $9-14 \mu$; episporo granuloso verrucoso.—In paniculis *Andropogonis hirtifolii pubiflora*. Patzcuaro, Michoacan, Oct. 20, 1898. Apparently quite distinct from all the species known on *Andropogon*.

Ustilago Panici-proliferi P. Henn., n. sp. Soris in paniculis, eo omnino destruentibus, membrano cinerea tectis, dein pulverulentis atro-olivaceis; sporis subglobosis, acutangulis, pallide olivaceo-fuscis, intus granulatis, $7-9 \mu$; episporo levi.—In paniculis *Panici proliferi acuminati*. City of Mexico, Oct. 10, 1898. This species differs from *U. Panici-miliacei* (Pers.) Wint. in its much smaller spores, and in having the sori covered with an ashy-gray membrane; and from *U. vesiculosa* P. Henn. and *U. pustulata* Tr. & Earle in its smooth lighter colored spores. The sori and general appearance are also different.

*USTILAGO PARLATOREI F. de Wald. On *Rumex Mexicanus* Meissn. Toluca, Mexico, Sept. 19, 1898.

*USTILAGO TRITICI (Pers.) Jens. On *Triticum vulgare*. City of Mexico, Oct. 11, 1898.

*USTILAGO ZEÆ (Beckm.) Ung. On *Zea Mays*. City of Mexico, Oct. 10, 1898.

CINTRACTIA AXICOLA Cornu. On *Fimbristylis*. Cuernavaca, Mexico, Sept. 26, 1898.

CINTRACTIA LEUCODERMA (Berk.) P. Henn. On *Rhynchospora*. Jalapa, Mexico, Oct. 3, 1898.—E. W. D. HOLWAY, Decorah, Iowa.